

**METHOD FOR REGENERATING USED OILS BY DEMETALLIZATION  
AND DISTILLATION**

**ABSTRACT**

5       The present invention refers to a method for the regeneration of used  
petroleum oils which comprises the following steps:

- 10           (a)    demetallization of the used mineral oil by means of chemical  
                  treatment of said oil with an aqueous solution of a chemical  
                  reagent containing anions which form low solubility salts with  
                  the metals of the oil, followed by the separation of the  
                  demetallized oil;
- 15           (b)    distillation of the demetallized oil obtained in step (a) at  
                  atmospheric pressure and in the presence of alkaline  
                  hydroxides; and
- (c)    distillation of the bottom liquid obtained in the atmospheric  
                  distillation in step (b) under vacuum and in the presence of  
                  alkaline hydroxides to obtain lubricant bases.

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